

ABSTRACT OF THE DISCLOSURE

In order to achieve narrow track pitch by measuring, storing and compensating common average values for repeatable runout components between adjacent tracks in a head positioning control system for a magnetic disk drive, there are provided: means for calculating a compensated signal for the average value of the repeatable runout of each servo sector of at least two tracks of servo information reproduced from a magnetic disk, on the basis of an inverse function of the sensitivity characteristics of the tracking control system; means for storing the calculated signal; and means for compensating the servo signal on the basis of this signal.